

Author Index Volumes 51–100

This Author Index is a cumulative list of all Author's names with titles of their papers including (book)reviews, prefaces/introductions to special issues, etc., which were published in Volumes 51–100 of *Chemical Geology/Isotope Geoscience*. The first figure in the last column is the volume number(issue number) and the last figure indicates the page number(s). The complete title of a paper is only listed with the name of the first Author. For the year of publication of a paper the reader is referred to the list at the bottom of p. 319.

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- Downes, H., Deformation and geochemical enrichment in spinel peridotites — evidence for mantle shear zones? 70(1/2): 48
- Downes, H. and Duthou, J.-L., Isotopic and trace-element arguments for the lower-crustal origin of Hercynian granitoids and pre-Hercynian orthogneisses, Massif Central (France) 68(3/4): 291-308
- Downes, H., Dupuy, C. and Leyreloup, A.F., Crustal evolution of the Hercynian belt of Western Europe: Evidence from lower-crustal granulitic xenoliths (French Massif Central) 83(3/4): 209-231
- Dowuona, G.N., Mermut, A.R. and Krouse, H.R., Isotopic composition of salt crusts in Saskatchewan, Canada * 94(3): 205-213
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- Erlank, A.J., Duncan, A.R., Marsh, J.S., Sweeney, R.J., Hawkesworth, C.J., Milner, S.C., Miller, R.McG. and Rogers, N.W., Major mantle heterogeneity in southern Gondwanaland 70(1/2): 202
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- Gao, S., Zhang, B., Xie, Q., Gu, X., Ouyang, J., Wang, D. and Gao, C., Average chemical compositions of post-Archean sedimentary and volcanic rocks from the Qinling Orogenic Belt and its adjacent North China and Yangtze Cratons 92(4): 261-282
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- Gebauer, D., Williams, I.S., Compston, W. and Grünenfelder, M., The development of the Central European continental crust since the Early Archean. 70(1/2): 68
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- Gou Xuemin, Fowler, M.G., Comet, P.A., Manning, D.A.C., Douglas, A.G., McEvoy, J. and Giger, W., Investigation of three natural bitumens from central England by hydrous pyrolysis and gas chromatography-mass spectrometry 64(3/4): 181-195
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- Green, P.F., Duddy, I.R., Laslett, G.M., Hegarty, K.A., Gleadow, A.J.W. and Lovering, J.F., Thermal annealing of fission tracks in apatite, 4. Quantitative modelling techniques and extension to geological timescales ... * 79(2): 155-182
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- Green T.H. and Pearson, N.J., Rare-earth element partitioning between sphene and coexisting silicate liquid at high pressure and temperature 55(1/2): 105-119
- Green, T.H., Sie, S.H., Ryan, C.G. and Cousens, D.R., Proton microprobe-determined partitioning of Nb, Ta, Zr, Sr and Y between garnet, clinopyroxene and basaltic magma at high pressure and temperature 74(3/4): 201-216
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- Greenough, J.D. and Owen, J.V., Platinum-group element geochemistry of continental tholeiites: Analysis of the Long Range dyke swarm, Newfoundland, Canada 98(3/4): 203-219

- Greenough, J.D., Jones, L.M. and Mossman, D.J., The Sr isotopic composition of Early Jurassic mafic rocks of Atlantic Canada: Implications for assimilation and injection mechanisms affecting mafic dykes *80(1): 17- 26
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- Griffin, S.M., see Druffel, E.R.M. et al. 70(1/2): 108
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- Grimalt, J.O., Angulo, L., López-Galindo, A., Comas, M.C. and Albaigés, J., Lipid and mineralogical composition of the Cretaceous black shale deposits of the Fardes Formation (southern Iberian Paleomargin), Betic Cordillera, south Spain) 82(3/4): 341-363
- Grimaud, D., Ishibashi, J.-I., Lagabriele, Y., Auzende, J.-M. and Urabe, T., Chemistry of hydrothermal fluids from the 17°S active site on North Fiji Basin Ridge (SW Pacific)..... 93(3/4): 209-218
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- Hess, J.C. and Lippolt, H.J., Kinetics of Ar isotopes during neutron irradiation: ^{39}Ar loss from minerals as a source of error in $^{40}\text{Ar}/^{39}\text{Ar}$ dating * 59(4): 223-236
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- Hilton, D.R., Grönvold, K., O'Nions, R.K. and Oxburgh, E.R., Regional distribution of ^3He anomalies in the Icelandic crust 88(1/2): 53- 67
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- Hines, M.E., Lyons, W.B., Lent, R.M. and Long, D.T., Sedimentary biogeochemistry of an acidic, saline groundwater discharge zone in Lake Tyrrell, Victoria, Australia 96(1/2): 53- 65
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- Hoashi, M., Varela-Alvarez, H., Brooks, R.R., Reeves, R.D., Ryan, D.E. and Holzbecher, J., Revised classification of some iron meteorites by use of statistical procedures 98(1/2): 1-10
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- Holm, P.M., Gill, R.C.O., Pedersen, A.K., Larsen, J.G., Hald, N., Nielsen, T.D.F. and Thirlwall, M.F., Tertiary picrites of West Greenland: Petrogenetic implications of trace element and Sr-Nd isotope geochemistry .. 70(1/2): 49

- Holmes, J.A., Hales, P.E. and Street-Perrott, F.A., Trace-element chemistry of non-marine ostracods as a means of palaeolimnological reconstruction: An example from the Quaternary of Kashmir, northern India 95(1/2): 177-186
- Holtz, F., Behrens, H., Dingwell, D.B. and Taylor, R.P., Water solubility in aluminosilicate melts of haplogranite composition at 2 kbar. 96(3/4): 289-302
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- Horn, E.E. and Behr, H.-J. (Guest-Editors), Preface to Special Issue "Current Research on Fluid Inclusions, ECRFI, Göttingen, April 10-12, 1985" 61(1/4): vii
- Horn, E.E. and Traxel, K., Investigations of individual fluid inclusions with the Heidelberg proton microprobe — A nondestructive analytical method 61(1/4): 29- 35
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- Horn, P., Köhler, H. and Müller-Sohnius, D., Rb-Sr-Isotopengeochemie hydrothermaler Quarze des Bayerischen Pfahles und eines Flussspat-Schwerspat-Ganges von Nabburg-Wölsendorf/Bundesrepublik Deutschland. (The Rb-Sr isotope geochemistry of hydrothermal quartz from the Bayerischer Pfahl and a fluorite-barite vein from Nabburg-Wölsendorf, Federal Republic of Germany) * 58(3): 259-272
- Horowitz, A.J. and Elrick, K.A. Callender, E., The effect of mining on the sediment-trace element geochemistry of cores from the Cheyenne River arm of Lake Oahe, South Dakota, U.S.A. 67(1/2): 17- 33
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- Jackson, S.E., Fryer, B.J., Gosse, W., Healey, D.C., Longerich, H.P. and Strong, D.F., Determination of the precious metals in geological materials by inductively coupled plasma-mass spectrometry (ICP-MS) with nickel sulphide fire-assay collection and tellurium coprecipitation 83(1/2): 119-132
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- Libourel, G., Geiger, C.A., Merwin, L. and Sebal, A., ^{29}Si and ^{27}Al MAS-NMR spectroscopy of glasses in the system $\text{CaSiO}_3\text{-MgSiO}_3\text{-Al}_2\text{O}_3$ 96(3/4): 387-397
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- Lo Bello, Ph., Féraud, G., Hall, C.M., York, D., Lavina, P. and Bernat, M., $^{40}\text{Ar}/^{39}\text{Ar}$ step-heating and laser fusion dating of a Quaternary pumice from Neschers, Massif Central, France: The defeat of xenocrystic contamination *66(1/2): 61- 71
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- Long, D.T., Fegan, N.E., Lyons, W.B., Hines, M.E., Macumber, P.G. and Giblin, A.M., Geochemistry of acid brines: Lake Tyrrell, Victoria, Australia 96(1/2): 33- 52
- Long, D.T., Fegan, N.E., McKee, J.D., Lyons, W.B., Hines, M.E. and Macumber, P.G., Formation of alunite, jarosite and hydrous iron oxides in a hypersaline system: Lake Tyrrell, Victoria, Australia 96(1/2): 183-202
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- Singhvi, A.K., Bronger, A., Sauer, W. and Pant, R.K., Thermoluminescence dating of loess-paleosol sequences in the Carpathian Basin (East-Central Europe): A suggestion for a revised chronology * 73(4): 307-317
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- Taylor, P.N., Kalsbeek, F. and Bridgwater, D., Discrepancies between neodymium, lead and strontium model ages from the Precambrian of southern East Greenland: Evidence for a Proterozoic granulite-facies event affecting Archean gneisses *94(4): 281-191
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- Ten Haven, H.L., Baas, M., De Leeuw, J.W., Schenck, P.A. and Brinkhuis, H., Late Quaternary Mediterranean sapropels, II. Organic geochemistry and palynology of S₁ sapropels and associated sediments 64(1/2): 149-167
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- Turpin, L., Clauer, N., Forbes, P. and Pagel, M., U-Pb, Sm-Nd and K-Ar systematics of the Akouta uranium deposit, Niger *87(3/4): 217-230
- Turpin, L., Leroy, J.L. and Sheppard, S.M.F., Isotopic systematics (O, H, C, Sr, Nd) of superimposed barren and U-bearing hydrothermal systems in a Hercynian Granite, Massif Central, France. 88(1/2): 85- 98
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- Wassenaar, L.I., Brand, U. and Terasmae, J., Isotopic and elemental geochemistry of marine invertebrates from the Late Quaternary Fort Langley Formation and Capilano Sediments, southwestern British Columbia, Canada * 73(3): 221-231
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- Weis, D., Gautier, I. and Mennessier, J.P., MD48 dredged basalts (S Indian Ocean) Nd, Sr, Pb isotopic study — Kerguelen type signature 70(1/2): 58

- Weis, D., Mennessier, J.P., Giret, A. and Gautier, I., Kerguelen Islands isotope geochemistry: Mantle origin and evidence for recycled material 70(1/2): 58
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- Wersin, P., Höhener, P., Giovanoli, R. and Stumm, W., A kinetic model for iron diagenesis in a lake sediment 84(1/4): 210-211
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- Yan, L., Stallard, R.F., Key, R.M. and Crerar, D.A., The chemical behavior of trace metals and ²²⁶Ra during estuarine mixing in the Mullica River estuary, New Jersey, U.S.A.: A comparison between field observation and equilibrium calculation 85(3/4): 369-381

- Yan, L., Stallard, R.F., Crerar, D.A. and Key, R.M., Experimental evidence on the behavior of metal-bearing colloids in low-salinity estuarine water 100(3/4): 163-174
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- Yiou, F. and Raisbeck, G.M., ¹⁰Be in ice at the South Pole during the last 1000 years 70(1/2): 169
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- Zeng, Y.B., Ward, D.M., Brassell, S.C. and Eglinton, G., Biogeochemistry of hot spring environments, 2. Lipid compositions of Yellowstone (Wyoming, U.S.A.) cyanobacterial and *Chloroflexus* mats 95(3/4): 327-345
- Zeng, Y.B., Ward, D.M., Brassell, S.C. and Eglinton, G., Biogeochemistry of hot spring environments, 3. Apolar and polar lipids in the biologically active layers of a cyanobacterial mat 95(3/4): 347-360
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- Zhang, Y.-G. and Frantz, J.D., Hydrothermal reactions involving equilibrium between minerals and mixed volatiles, 2. Investigations of fluid properties in the $\text{CO}_2\text{-CH}_4\text{-H}_2\text{O}$ system using synthetic fluid inclusions 100(1/2): 51- 72
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- Zhiou, S.Z., Raisbeck, G.M., Yiou, F., Bourles, D. and Labeyrie, L., A high resolution study of $^{10}\text{Be}/^9\text{Be}$ in an Indian Ocean sediment core deposited during the last ~75,000 years 70(1/2): 111
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- Zielinski, R.A., Otton, J.K., Wanty, R.B. and Pierson, C.T., The geochemistry of water near a surficial organic-rich uranium deposit, northeastern Washington State, U.S.A. 62(3/4): 263-289
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- Zöller, L., Stremme, H. and Wagner, G.A., Thermolumineszenz-Datierung an Löss-Paläoboden-Sequenzen von Nieder- Mittel- und Oberrhein/Bundesrepublik Deutschland. (Thermoluminescence dating of loess-paleosol sequences in the Lower Rhine, Middle Rhine and Upper Rhine area, Federal Republic of Germany) *73(1): 39- 62
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